

11/30/99

U.S.

Please type or print name inside this box →



PTO SB 05 (12-97)

Approved for use through 09-30-00 OMB 0651-0032

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new non-provisional applications under 35 CFR 1.53(b))</small>	Attorney Docket No.	3169/1/US	Total Pages	74
	First Named Inventor or Application Identifier			
	Danchen Gao			
	Express Mail Label No.	TB015691104US		

PTO  
U.S.  
09/45164  
11/30/99

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
<div><div><div>1. <input checked="" type="checkbox"/> Fee Transmittal Form <small>(Submit an original, and a duplicate for fee processing)</small></div><div>2. <input checked="" type="checkbox"/> Specification [Total Pages 74] <small>(preferred arrangement set forth below)</small><ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D Invention</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings <small>(if filed)</small></li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul></div><div>3. <input checked="" type="checkbox"/> Drawing(s) <small>(35 USC 113)</small> [Total Sheets 2]</div><div>4. <input type="checkbox"/> Oath or Declaration [Total Pages ____]<div>a. <input type="checkbox"/> Newly executed (original or copy)</div><div>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed)</small> <b>[Note Box 5 below]</b><div>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small></div></div></div><div>5. <input type="checkbox"/> Incorporation By Reference <small>(useable if Box 4b is checked)</small> <small>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</small></div></div><div><div>6. <input type="checkbox"/> Microfiche Computer Program (Appendix)</div><div>7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small><div>a. <input type="checkbox"/> Computer Readable Copy</div><div>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</div><div>c. <input type="checkbox"/> Statement verifying identity of above copies</div></div></div></div>	
<b>Accompanying Application Parts</b> <div>8. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</div> <div>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small></div> <div>10. <input type="checkbox"/> English Translation Document <small>(if applicable)</small></div> <div>11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</div> <div>12. <input type="checkbox"/> Preliminary Amendment</div> <div>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small></div> <div>14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application, Statement(s) Status still proper and desired</div> <div>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small></div> <div>16. <input checked="" type="checkbox"/> Other .....</div> <div>2 additional sets of drawings (2 sheets each)</div>	

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_**18. CORRESPONDENCE ADDRESS**

<input type="checkbox"/> Customer Number or Bar Code Label		(Insert Customer No. or Attach bar code label here)		or <input type="checkbox"/> New correspondence address below	
NAME	Monsanto/G.D. Searle				
	Attention: Jennifer Amundsen, 1820				
ADDRESS	P.O. Box 5110				
CITY	Chicago	STATE	IL	ZIP CODE	60680-5110
COUNTRY	US	TELEPHONE	847-581-4164	FAX	847-581-6881

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box CPA, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL****Complete if Known**

<b>Application Number</b>	To Be Assigned
<b>Filing Date</b>	November 30, 1999
<b>First Named Inventor</b>	Danchen Gao
<b>Group Art Unit</b>	To Be Assigned
<b>Examiner Name</b>	To Be Assigned
<b>Attorney Docket Number</b>	3169/1/US

**TOTAL AMOUNT OF PAYMENT (\$)** 2128**METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to

Deposit Account Number **19-1025**

Deposit Account Name Monsanto Company

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.31(b)

2. ☐ Payment Enclosed:  
☐ Check ☐ Money Order ☐ Other

**FEE CALCULATION (fees effective 11/16/98)****1. FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	760	201	395	Utility filing fee	760
106	330	206	165	Design filing fee	
107	540	207	270	Plant filing fee	
108	790	208	395	Reissue filing fee	
114	150	214	75	Provisional filing fee	
<b>SUBTOTAL (1)</b>					<b>(\$)</b> 760

**2. CLAIMS**

	Extra	Fee from below		Fee Paid
Total Claims 83 - 20 =	63	X 18.00	=	1134
Independent 6- 3 =	24	X 78.00	=	234
Claims				
Multiple Dependent Claims			=	0

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	11	Claims in excess of 20	
102	82	202	41	Independent claims in excess of 3	
104	260	204	135	Multiple dependent claim	
109	82	209	41	Reissue independent claims over original patent	
110	22	210	11	Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2)</b>					<b>(\$)</b> 1368

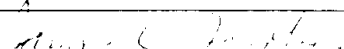
**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	400	216	200	Extension for response within second month	
117	950	217	475	Extension for response within third month	
118	1,570	218	755	Extension for response within fourth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,320	241	660	Petition to revive unintentionally abandoned application	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify) _____					
Other fee (specify) _____					
<b>SUBTOTAL (3)</b>					<b>(\$)</b> 0

\* Reduced by Basic Filing Fee Paid

**SUBMITTED BY**

Complete (if applicable)

Typed or Printed Name	James C. Forbes	Reg. Number	39,457
Signature		Date	November 30, 1999
		Deposit Acct User ID	19-1025